

VERSION WITH MARKINGS TO SHOW CHANGES MADECLAIMS:

1 1. (Amended) A core for use in a motor, said motor including N and S
2 magnetic poles for generating a magnetic field to which said core is opposed, said
3 core comprising:

4 a plurality of slots formed in said core, said plurality of slots each have an
5 electrical angle which is one of:

6 b) between 80 degrees and 95 degrees; and

7 c) between 20 degrees and 35 degrees,

8 a number of said magnetic poles is $2m$ and a number of said slots is $3n$ (m
9 and n are integers).

1 42. (Amended) A motor including:

2 (a) magnetic field generating means having N and S magnetic poles for
3 generating a magnetic field; and

4 (b) a core made of magnetic material and opposed to said magnetic field
5 generating means;

6 wherein one of said magnetic field generating means and said core rotates
7 with respect to the other,

8 wherein a number of said magnetic poles is $2m$ and a number of slots of
9 said core is $3n$ (m and n are integers), and

10 a plurality of slots formed in said core, said plurality of slots each have an
11 electrical angle which is one of:

12 a) between 80 degrees and 95 degrees; and

13 b) between 20 degrees and 35 degrees.